Recombinant Human NEUROD1 293 Cell Lysate

Cat. No. NEUROD1-3868HCL **Lot. No.** (See product label)

SPECIFICATION

Species	Human
Source	HEK293
Description	Antigen standard for neurogenic differentiation 1 (NEUROD1) is a lysate prepared from HEK293T cells transiently transfected with a TrueORF gene-carrying pCMV plasmid and then lysed in RIPA Buffer. Protein concentration was determined using a colorimetric assay. The antigen control carries a C-terminal Myc/DDK tag for detection.
Components	This product includes 3 vials: 1 vial of gene-specific cell lysate, 1 vial of control vector cell lysate, and 1 vial of loading buffer. Each lysate vial contains 0.1 mg lysate in 0.1 ml (1 mg/ml) of RIPA Buffer (50 mM Tris-HCl pH7.5, 250 mM NaCl, 5 mM EDTA, 50 mM NaF, 1% NP40). The loading buffer vial contains 0.5 ml 2X SDS Loading Buffer (125 mM Tris-Cl, pH6.8, 10% glycerol, 4% SDS, 0.002% Bromophenol blue, 5% beta-mercaptoethanol).
Size	0.1 mg
Storage Instruction	Store at -80°C. Minimize freeze-thaw cycles. After addition of 2X SDS Loading Buffer, the lysates can be stored at -20°C. Product is guaranteed 6 months from the date of shipment.
Applications	ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil the mixture for 10 min before loading (for membrane protein lysates, incubate the

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	mixture at room temperature for 30 min). Load 5 ug lysate per lane.

GENE INFORMATION

Gene Name	NEUROD1 neuronal differentiation 1 [Homo sapiens]
Official Symbol	NEUROD1
Synonyms	NEUROD1; neuronal differentiation 1; NEUROD, neurogenic differentiation 1; neurogenic differentiation factor 1; beta cell E box transactivator 2; BETA2; BHF 1; bHLHa3; MODY6; NeuroD; neurogenic helix loop helix protein NEUROD; beta-cell E-box transactivator 2; class A basic helix-loop-helix protein 3; neurogenic helix-loop-helix protein NEUROD; basic helix-loop-helix transcription factor; BHF-1; NEUROD;
Gene ID	4760
mRNA Refseq	NM_002500
Protein Refseq	NP_002491
MIM	601724
UniProt ID	Q13562
Chromosome Location	2q32
Pathway	Developmental Biology, organism-specific biosystem; Maturity onset diabetes of the young, organism-specific biosystem; Maturity onset diabetes of the young, conserved biosystem; Regulation of beta-cell development, organism-specific biosystem; Regulation of gene expression in beta cells, organism-specific biosystem; Regulation

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	of gene expression in endocrine-committed (NEUROG3+) progenitor cells, organism-specific biosystem;
Function	E-box binding; RNA polymerase II activating transcription factor binding; RNA polymerase II transcription coactivator activity; chromatin binding; double-stranded DNA binding; protein binding; protein heterodimerization activity; protein heterodimerization activity; contributes_to sequence-specific DNA binding; sequence-specific DNA binding transcription factor activity; transcription coactivator activity; transcription factor binding;

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